



### **Abstract**

This invention relates to stable pharmaceutical compositions of 5,10-methylene-(6R)-, - (6S)- or -(6R,S)-tetrahydrofolate by adjusting to a basic pH and the simultaneous use of  
5 citrate. Stabilisation is effected even in the absence of a reducing agent.

The present invention is particularly suitable for producing lyophilisation solutions and lyophilisates or dry powders and dry mixtures, since the stable MTHF solutions can be used in high concentrations for filling corresponding vessels such as phials, ampoules, etc. The  
10 lyophilisates have a surprisingly long shelf life and are surprisingly stable. They can be reconstituted without problems by adding water or aqueous solutions, and the final clear injection solutions again exhibit excellent stability properties.

Moreover, the present invention even makes it possible to prepare difficultly soluble calcium  
15 or acidic salts of MTHF in high concentrations and as physiologically compatible isotonic solutions.